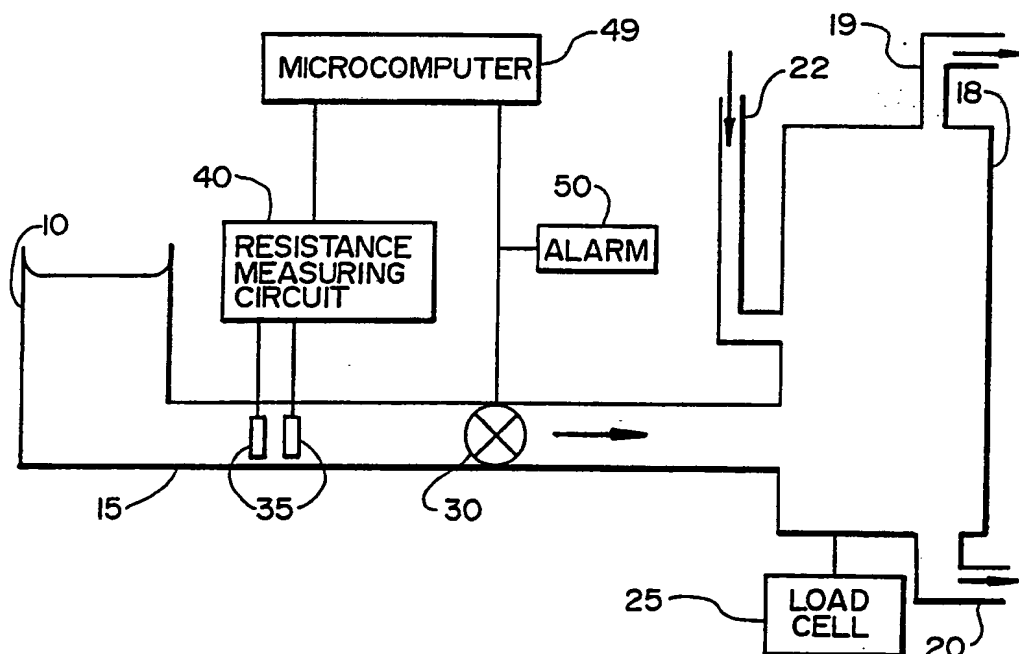


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : G01N 27/07	A1	(11) International Publication Number: WO 92/22808 (43) International Publication Date: 23 December 1992 (23.12.92)
(21) International Application Number: PCT/US91/04295 (22) International Filing Date: 18 June 1991 (18.06.91) (71) Applicant (for all designated States except US): MINN-TECH CORPORATION [US/US]; 14905 28th Avenue North, Minneapolis, MN 55441 (US). (72) Inventors; and (75) Inventors/Applicants (for US only) : COSENTINO, Louis, C. [US/US]; 2435 Holly Lane, Plymouth, MN 55447 (US). GUST, David, C. [US/US]; 3917 N. Enchanted Drive, Andover, MN 55304 (US). FUNK, Roger, L. [US/US]; 1525 205th Avenue N.W., Cedar, MN 55011 (US). RINEHART, Gerald, J. [US/US]; 9154 Parkington Circle, Elk River, MN 55330 (US). TAAFFE, Vernon, S. [US/US]; 3240 Hillsboro Avenue, New Hope, MN 55427 (US).		(74) Agents: PATTERSON, James, H. et al.; Patterson & Keough, 615 Peavey Building, 730 Second Avenue South, Minneapolis, MN 55402 (US). (81) Designated States: AT (European patent), AU, BE (European patent), BR, CH (European patent), DE (European patent), DK (European patent), ES (European patent), FI, FR (European patent), GB (European patent), GR (European patent), HU, IT (European patent), JP, KR, LU (European patent), NL (European patent), NO, SE (European patent), US. Published With international search report.

(54) Title: SENSOR FOR PERACETIC ACID-HYDROGEN PEROXIDE SOLUTION



(57) Abstract

Concentrations of stock hydrogen peroxide-peracetic acid solutions can be monitored resistively. The resistivity cell electrodes (35) have titanium surfaces which resist corrosion better than other electrode materials including platinum electrodes. Such resistivity monitoring is particularly useful to verify the concentrations of sterilant stock solutions used in machinery for cleaning and sterilizing medical and dental equipment such as dialyzer reuse machines. Over the temperature range of interest the resistivity measurement is substantially not affected by changes of temperature in room temperature range.